

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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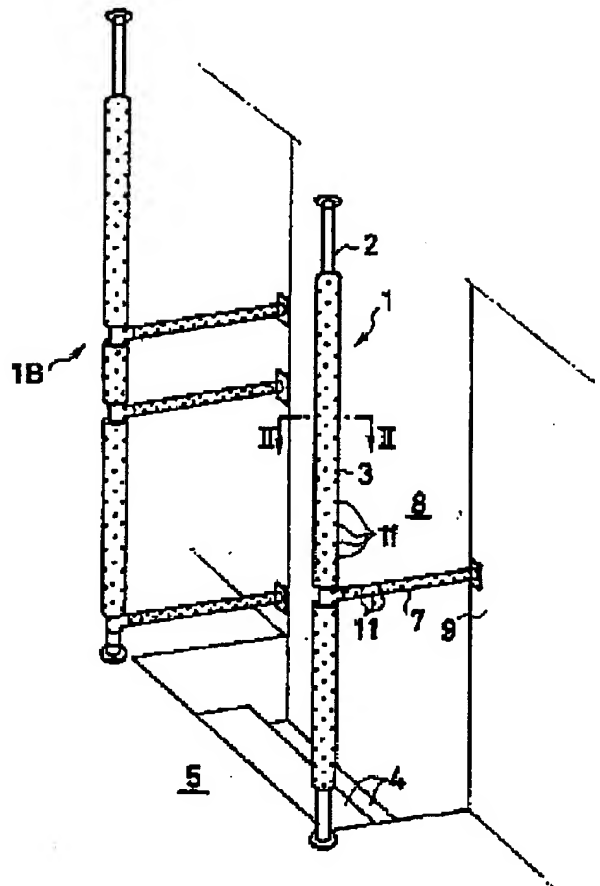
APPLICATION DATE : 16-10-97  
APPLICATION NUMBER : 09299329

APPLICANT : HINO MOTORS LTD;

INVENTOR : TAKEI MEGUMI;

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TITLE : HANDRAIL



ABSTRACT : PROBLEM TO BE SOLVED: To give no inconvenience to an old person in darkness by providing a light emitting source visible from the outside on the surface of a handrail used at the time of getting on or off, walking, or bathing in a vehicle, a house, or a hospital, and emitting light at the time of a power stoppage.

SOLUTION: A cushion body 3 made of a soft resin such as vinyl chloride is provided around a metal pipe 2, and a light emitting means 11 emitting light visible from the outside is provided. A fluorescent paint, a luminous paint, an electroluminescence(EL) element, a light emission diode(LED), an optical fiber, or a lamp is used for the light emitting means (light emitting material) 11, and it is dispersedly arranged on the surface. The light emitting material 11 emits light in darkness so that its position can be visually recognized, and its decorative property and design property are increased. This handrail 1 can be formed into various shapes or structures according to various vehicles or buildings and according to using places such as a staircase or a bathroom, thereby the handrail 1 capable of being easily utilized in darkness is available.

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